

CSH

DUAL HEAD LED SECURITY LIGHT

3 CCT AND 3 POWER SELECTABLE
 INTEGRATED MOTION SENSOR
 WITH A PHOTOCELL

Our CSH series features a motion sensor with a built-in dusk to dawn photocell which allows to turn on the lights at dusk and turn off the light at dawn. These features assures the area is well lit and provides added security at night. Offering superior performance while improving on energy savings, this fixture is ideal for walkways, yards, driveways, patios, parking lots and loading docks.



FEATURES & SPECIFICATIONS

CONSTRUCTION

Physical Characteristics

- This luminaire is made of aluminum housing and comes standard in a Black and White coat finish
- Dual adjustable heads
- Frosted glass lens
- Integrated PIR sensor with built-in dusk to dawn photocell
- CCT and power switches are accessible from the front via the coin plug of 1/2"

Mounting

- Wall or ceiling mount with external junction box
- Surface mount with built in junction box

PERFORMANCE DATA

- Available in 3 000/4 000 /5 000 K selectable color temperatures
- 80 CRI
- Electrical ratings: 120 V
- 2 kV surge protection
- Estimated life of over 50 000 hours to L70
- Operating temperature: -40 °C to 40 °C (-40 °F to 104 °F)

COMPLIANCES

- ETL listed for Canada and USA
- cETLus listed for wet locations
- Meets requirements of ICES-005 issue 5 class B for use in residential applications
- IP65
- FCC
- IK07

OVERVIEW			
LIGHT SOURCE	LED	EFFICIENCY (LM/W)	90-116
WATTS [W]	16/20/24	COLOR TEMPERATURE [K]	3 000/4 000/5 000
LUMEN OUTPUT [LM]	1 626-2 498	CRI	80+
         			

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

QUICK SHIP AND TECHNICAL SPECIFICATION TABLE



PART NUMBER	WATTS [W]	VOLTS [V AC]	COLOR TEMP. [K] ¹	LUMEN OUTPUT [LM] ^{2,3}	EFFICACY [LM/W]	CRI	LIFE L70 [HRS] ⁴	BEAM ANGLE [°]	FINISH	PHOTOCELL [YES/NO]	DIMMING [YES/NO]	POWER FACTOR	THD [%]	MH	HPS	MASTER CASE QTY
CCT AND POWER SELECTABLE WITH INTEGRATED PHOTOCELL⁵																
CSH-PS24A-4-3C-BK	16/20/24	120	3 000/4 000/5 000	1 852-2 498	104-116	80+	50 000	110	BLACK	YES	NO	≥0.90	≤20	2X100	2X75	4
CSH-PS24A-4-3C-WH	16/20/24	120	3 000/4 000/5 000	1 852-2 498	104-116	80+	50 000	110	WHITE	YES	NO	≥0.90	≤20	2X100	2X75	4

¹ Typical color temperature range: +/- 5 %.

² Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.

³ Lumen values are based on 4 000 K default programming. Please refer to the LUMEN SPECIFICATION TABLE for more details on other color temperatures.

⁴ Life hours are derived from IESNA LM-80 testing report and projected per IESNA TM-21 extrapolations.

⁵ Integrated ON/OFF photocell that can be easily disabled.

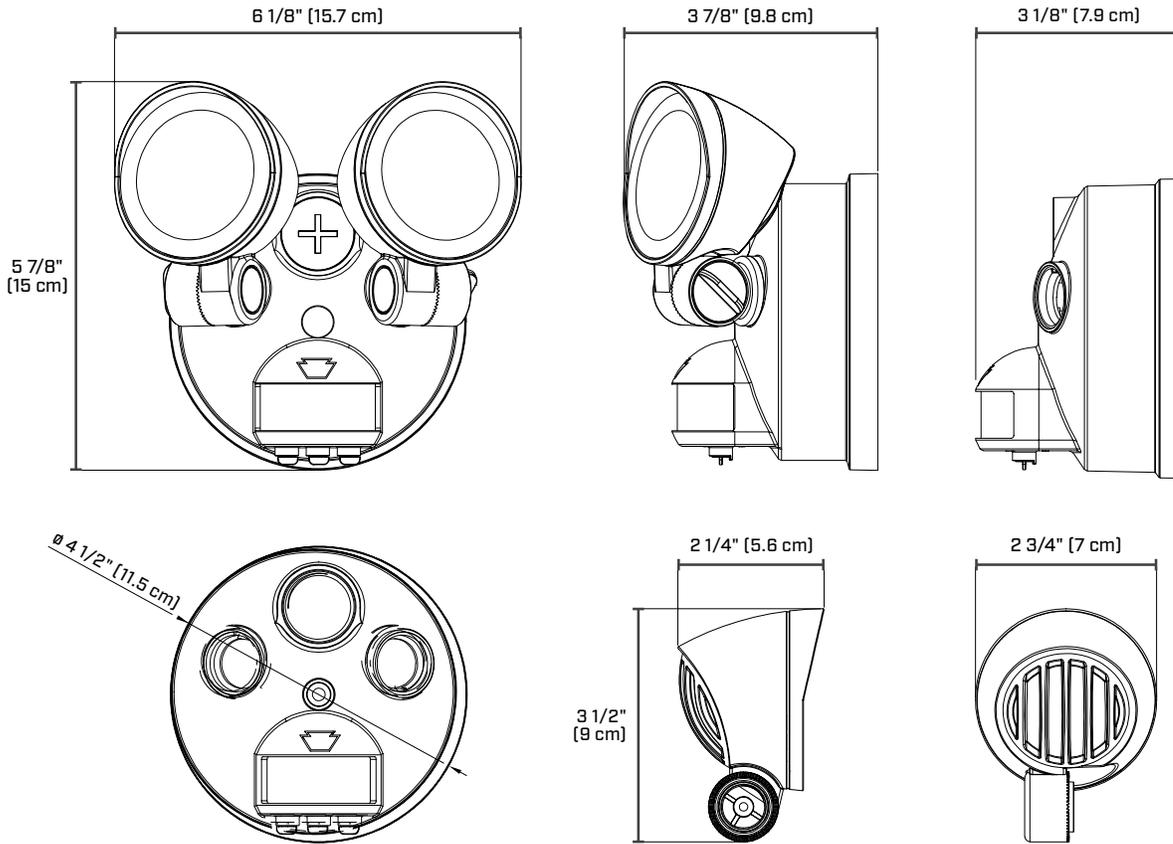
LUMEN SPECIFICATION TABLE

PART NO	WATTS [W]	3 000 K			4 000 K			5 000 K		
		LUMEN OUTPUT [LM]	EFFICACY [LM/W]	LED CURRENT [MA]	LUMEN OUTPUT [LM]	EFFICACY [LM/W]	LED CURRENT [MA]	LUMEN OUTPUT [LM]	EFFICACY [LM/W]	LED CURRENT [MA]
CSH-PS24A-4-3C-BK CSH-PS24A-4-3C-WH	16	1 626	102	67	1 852	116	33	1 708	107	67
	20	1 910	96	80	2 200	110	40	2 028	101	80
	24	2 162	90	100	2 498	104	50	2 280	95	100

DEFAULT PROGRAMMING

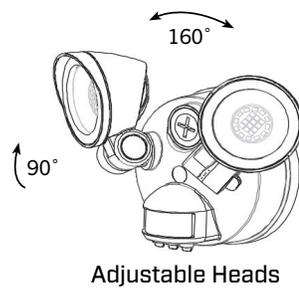
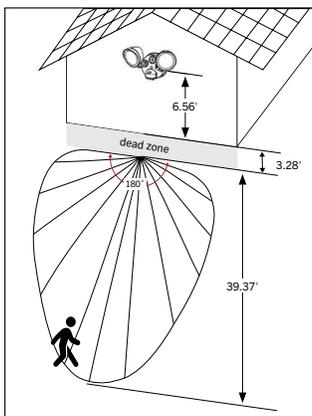
24 W / 4 000 K

DIMENSIONS AND WEIGHTS



Net weight (lbs)	1.35
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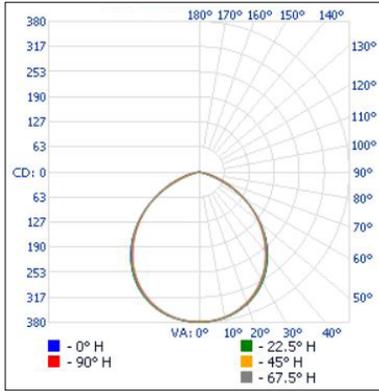
MOTION SENSOR DETECTION COVERAGE



PHOTOMETRIC DATA¹

CSH-PS24A-4-3C-XX • 8 W • 4 000 K • 926 LM [SINGLE HEAD]

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	293.8	31.7
0-40	476.7	51.5
0-60	804.4	86.9
60-90	121.5	13.1
0-90	925.9	100

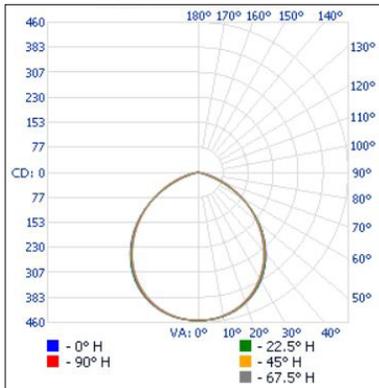
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
8.3'	5.50		21.1'	20.7'
16.7'	1.36		42.5'	41.7'
25.0'	0.61		63.7'	62.4'
33.3'	0.34		84.8'	83.1'
41.7'	0.22		106.2'	104.1'
50.0'	0.15		127.3'	124.8'

■ Vert. Spread: 103.7° ■ Hor. Spread: 102.6°

CSH-PS24A-4-3C-XX • 10 W • 4 000 K • 1 100 LM [SINGLE HEAD]

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	352.1	31.7
0-40	571.2	51.5
0-60	963.9	86.9
60-90	145.6	13.1
0-90	1 109.5	100

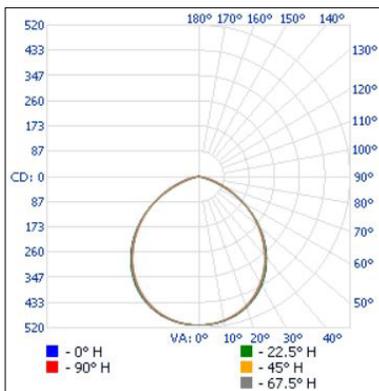
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
8.3'	6.59		21.1'	20.7'
16.7'	1.63		42.5'	41.7'
25.0'	0.73		63.7'	62.4'
33.3'	0.41		84.8'	83.1'
41.7'	0.26		106.2'	104.1'
50.0'	0.18		127.3'	124.8'

■ Vert. Spread: 103.7° ■ Hor. Spread: 102.6°

CSH-PS24A-4-3C-XX • 12 W • 4 000 K • 1 249 LM [SINGLE HEAD]

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	396.4	31.7
0-40	643.0	51.5
0-60	1 085.1	86.9
60-90	163.9	13.1
0-90	1 249.0	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
8.3'	7.42		21.1'	20.7'
16.7'	1.83		42.5'	41.7'
25.0'	0.82		63.7'	62.4'
33.3'	0.46		84.8'	83.1'
41.7'	0.29		106.2'	104.1'
50.0'	0.20		127.3'	124.8'

■ Vert. Spread: 103.7° ■ Hor. Spread: 102.6°

¹ Complete IES files available on our website.